

EM375 – MECHANICAL ENGINEERING EXPERIMENTATION
Fall 2004

Text: Introduction to Engineering Experimentation (Wheeler & Ganji) 2nd Edition

Lab days are Tues/Thurs according to sections

Classes are Mo/We

THIS SCHEDULE IS HIGHLY LIKELY TO CHANGE – stay alert!

Week of	Event	Subject	Remarks
8/23	Mo Class	Introduction (Chapters 1 & 2)	Classes begin 8/23
	We Class	Statistics (6.1 – 6.3.2)	Prepare for the fire hose!
	Lab	MathCAD 1 and 2	T Pd3/4 in classroom
8/30	Mo Class	Statistics (6.1 – 6.3.2)	
	We Class	Statistics (6.1 – 6.3.2)	
	Lab	MathCAD 3, 4 and 5	
9/6	Mo Class	No class (Labor Day)	Tuesday & Thursday are Thursday schedule
	We Class	Statistics (6.4 – 6.4.1)	
	Lab	Tu lab = comp time MathCAD 6 and 7 (Th sections)	
9/13	Mo Class	Statistics handouts	"Tests Between Two Populations & Samples", "Pooled Variance"
	We Class	Statistics (6.5, Review)	
	Lab	Measurements & Rubbers Lab	Introduce the project
9/20	Mo Class	Statistics handout	"Sampling Experiment" worksheet
	We Class	Exam #1	
	Lab	MathCAD 6 and 7 (Tu sections) Project 1 (Th sections)	X-Week Th/Fr
9/27	Mo Class	Equation Fitting (6.6.1 – 6.6.2)	X-week Mo/Tu Review Chapter 2
	We Class	Equation Fitting (6.6.2 – 6.6.3)	
	Lab	Project 1 (Tu sections) Project 2 (Th)	Also, reduce Rubbers Lab data
10/4	Mo Class	Uncertainty (handout)	X-Week Mo Grades due Th
	We Class	Uncertainty (handout)	
	Lab	Project 2 (Tu) Project 3 (Th)	

10/11	Mo Class	Uncertainty (handout)	Columbus Day – NORMAL SCHEDULE
	We Class	Uncertainty (handout)	
	Lab	Project 3 (Tu) Project 4 (Th)	
10/18	Mo Class	Uncertainty (handout)	
	We Class	Uncertainty (handout)	
	Lab	Project 4 (Tu) Project 5 (Th)	
10/25	Mo Class	Review	
	We Class	Exam #2	
	Lab	Project 5 (Tu) Project Field Day (Th)	
11/1	Mo Class	Report Writing	X-week
	We Class	1st Order Systems (11.1 – 11.3)	
	Lab	Project Field Day (Tu) Thermocouple (Th)	
11/8	Mo Class	1st Order Systems (11.1 – 11.3)	Grades due Tu
	We Class	2nd Order Systems (11.4)	
	Lab	Thermocouple (Tu)	Th Veterans Day
11/15	Mo Class	2nd Order Systems (11.4)	
	We Class	2nd Order Systems (11.4)	
	Lab	Inclining Experiment	
11/22	Mo Class	2nd Order Systems (11.4)	
	We Class	2nd Order Systems (11.4)	
	Lab	Tu = comp time	Thanksgiving 11/25-26
11/29	Mo Class	Sampling Rate Theorem (5.1)	ARMY WEEK
	We Class	Review	
	Lab	Survey Lab	
12/6	Mo Class	Exam #3	
	We Class	No class – We is Fr schedule	
	Lab	Strain Gages	Th last day of classes

The homework assignments are shown on a separate handout EM375 – GRADING AND DUE DATES Fall 2004. Unless your instructor indicates otherwise, work is to be submitted by the dates shown.